

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/008500

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G02B3/00 G02B27/09

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 343 862 B1 (HAYASHI KOHTARO ET AL) 5 February 2002 (2002-02-05) column 30, line 33 - line 44 column 31, line 48 - line 58 figure 23	1-21
A	WO 98/10314 A (HENTZE JOACHIM ; LISSOTSCHEMENKO VITALY (DE)) 12 March 1998 (1998-03-12) cited in the application abstract page 4, line 18 - page 6, line 28 figures	1-21
	-/-	

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

## ° Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority, claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

\*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the International search report

12 November 2004

25/11/2004

Name and mailing address of the ISA  
European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Seibert, J

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/008500

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 176 435 A (ROHM CO LTD) 30 January 2002 (2002-01-30) abstract paragraph '0118! figure 32 -----	1-21
A	EP 0 395 156 A (KONINKL PHILIPS ELECTRONICS NV) 31 October 1990 (1990-10-31) column 21, line 45 - line 57 figures -----	1-21

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/EP2004/008500

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 6343862	B1	05-02-2002	JP JP	2000155534 A 2000162592 A	06-06-2000 16-06-2000
WO 9810314	A	12-03-1998	DE AU WO EP JP US	19635942 A1 4209297 A 9810314 A1 0923747 A1 2000517436 T 6212011 B1	12-03-1998 26-03-1998 12-03-1998 23-06-1999 26-12-2000 03-04-2001
EP 1176435	A	30-01-2002	JP JP JP JP JP JP JP JP JP JP CA EP US CN WO TW	2000284158 A 2000292739 A 2000292694 A 2000295445 A 2000292602 A 2000316069 A 2000318056 A 2000324301 A 2000321526 A 2000352606 A 2367791 A1 1176435 A1 6693748 B1 1345420 T 0058762 A1 446823 B	13-10-2000 20-10-2000 20-10-2000 20-10-2000 20-10-2000 14-11-2000 21-11-2000 24-11-2000 24-11-2000 19-12-2000 05-10-2000 30-01-2002 17-02-2004 17-04-2002 05-10-2000 21-07-2001
EP 0395156	A	31-10-1990	NL CN EP JP JP KR US	8901077 A 1048106 A , B 0395156 A1 3111806 A 3377095 B2 232777 B1 5098184 A	16-11-1990 26-12-1990 31-10-1990 13-05-1991 17-02-2003 01-12-1999 24-03-1992